MOLECULAR PHOTOCHEMISTRY, 7(4), 499-500 (1976)

AUTHOR INDEX TO VOLUME 7

A

Abrahamson, H. B., 263
Al-Ani, Kh., 149
Alväger, T., 309

B

Balcavage, W. X., 309
Brauer, H.-D., 441
Bressers, H. J. L., 359
Brewer, D. R., 85
Britten, A., 79
Brokken-Zijp, J., 359, 399

C

Chapelon, R., 1
Clark, D., 301
Cristol, S. J., 287

D

Daughenbaugh, R. J., 287
Davies, A. K., 343, 389

E

Ellis, A. B., 263

F

Farrington, G., 475
Formoshinho, S. J., 13, 41

G

Ginley, D. S., 263
Golankiewicz, K., 181
Goldstein, M.D., 209
Gutiérrez, A. R., 349

I

Ilenda, C. S., 287

K

Kaźmierczak, F., 181
Khan, K. A., 343, 389
Kochevar, I. E., 85
Krishnamachari, S. L. N. G., 75, 295
Kuhn, H. J., 203

L

Laposa, J. D., 465
LeBel, G. L., 465
Lockwood, G., 79

M

Marinari, A., 225
Matsui, K., 325
McKellar, J. F., 343, 389
Meyer, T. J., 349
Morrison, H., 301
Morse, D. L., 263

N

Nakajima, A., 251
Nalepa, R. A., 465

O

Otten, J., 301

P

Pallmer, M., 301
Perichet, G., 1
Phillips, D., 149
Phillips, G. O., 343, 389
Pouyet, B., 1

S

Saltiel, J., 225
Schroeder, M. A., 263
Schuster, D. I., 209
Schuster, G. B., 85
Shields, J. E., 85
Shizuka, H., 325
Sime, M. E., 149
Straatmann, R., 203

T

Testa, A. C., 277
Tsutsumi, K., 325
Turro, N. J., 85, 475

V

Valyocsik, E. W., 131
Venkatasubramanian, R., 295
Venkitachalam, T. V., 75

W

Waddell, W. H., 475
Wagener, H., 441
Watkins, A. R., 171
Whitten, D. G., 349
Wolleben, J., 277
Wrighton, M. S., 263

Y

Yeh, C. S., 301

MOLECULAR PHOTOCHEMISTRY, 7(4), 501-504 (1976)

SUBJECT INDEX TO VOLUME 7

A

Acetylene, synthesis of glyoxal in mercury-sensitized reactions of oxygen and acetylene, 75-77
Actinometry, of a high-intensity lamp in the region 180-200nm, 389-398
Addition reactions, review of 1974 English literature on, 92-97
Agitation device, of irradiation apparatus, 203-208
Alkylaryldiazosulfides,
  photoisomerization and photodecomposition of, 399-440
  photosensitization of, 359-388
Aniline, biphotonic process in solution, 1-11
Aromatic molecules
  excimers and exciplexes, radiationless process in, 41-73
  excited, quenching of by paramagnetic species, 13-39
Aryloxy-*s*-triazines, substituent effects on photo-Fries rearrangement of, 325-342
Azulene/*trans*-stilbene, fluorescence technique for separation of radiative from nonradiative energy transfer, 225-249

B

Benzonitrile, phophorescence lifetime of, 465-473
Bicyclo[2.2.1]heptan-2-one, photoluminescence of, 475-497
Biphotonic process, of aniline solution, 1-11
Biradicals, review of 1974 English literature on, 106-108

C

Chemiexcitation, review of 1974 English literature on, 108-113
Cis-trans isomerization, review of 1974 English literature on, 89-92
Computer simulation, photoisomerization of 1,2-diphenylcyclopropane, application of Monte Carlo method to, 131-147
Computer-stored data, methods of analysis of, 171-180

D

Data analysis, methods of analyzing computer-stored kinetic data from photochemical experiments, 171-180
Deuteration effects, on phosphorescence lifetimes of benzonitrile and phenylisocyanide, 465-473
2-*N*-Dimethylaminopyridine, low temperature flash photolysis, 277-285
1,2-Diphenylcyclopropane, photoisomerization of, application of Monte Carlo method to, 131-147

E

Electron transfer, competition between energy transfer and electron transfer in photosensitization, 349-358
Energy transfer
  competition between energy transfer and electron transfer in photosensitization, 349-358
  fluorescence technique for separation of radiative from non-radiative energy transfer, 225-249
Excimers, aromatic, radiationless process in, 41-73
Exciplexes, aromatic, radiationless processes in, 41-73

F

Flash photolysis, low-temperature, of 2-*N*-dimethylaminopyridine, 277-285
9-Fluorenone, laser photolytic study, 251-262
Fluorescence lifetimes
  determination by single photon counting, 79-84
  of tryptophan and proteins, 309-323
Fragmentation, review of 1974 English literature on, 103
Furan, quenching of excited trifluormethyl benzenes by, 149-169

G

Gas-liquid reactions, efficient reactor for, 343-347
Glyoxal, synthesis of in mercury-sensitized reactions of oxygen and acetylene, 75-77
Ground-state association, 301-308

H

Heterocoerdianthrone, photoperoxidation of in different solvents, 441-464
Hydrogen abstraction reactions, review of 1974 English literature on, 86-89

I

Intraligand photoreactions, highlights in the 1973-1975 literature, 270-271
Irradiation apparatus, simple agitation device for, 203-208
Isomerization, *cis-trans*, review of 1974 English literature on, 89-92

K

Kinetics
  analysis of computer-stored kinetic data from photochemical experiments, 171-180
  photoisomerization of 1,2-diphenylcyclopropane, application of Monte Carlo method to, 131-147

L

Laser photolysis, transient absorption spectra of 9-fluorenone by, 251-262

M

Mercury discharge lamp, actinometry of a high-intensity lamp in the region 180-200 nm, 389-398

Mercury-sensitized reactions
photodecomposition of water vapor, 295-300
synthesis of glyoxal in mercury-sensitized reactions of oxygen and acetylene, 75-77
Metal-metal bond cleavage, highlights in the 1973-1975 literature, 271-273
Methyl 2-naphthyl ketone, photochemistry of, 209-224

N

Nitric oxide
singlet quenching by, 33-34
triplet quenching by, 27-33
Norcamphor, photoluminescence of, 475-497
Norrish Type I dissociation, substituent effects on photo-Fries rearrangement of aryloxy-s-triazines, 325-342

O

Oxygen
quenching studies, 1974 English literature, 114-122
singlet quenching by, 25-25
synthesis of glyoxal in mercury-sensitized reactions of oxygen and acetylene, 75-77
triplet quenching by, 16-25

P

Paramagnetic species, quenching of excited aromatic molecules by, 13-39
Phenylsiocyanide, phosphorescence lifetime of, 465-473
Phosphorescence, in aniline solution, 1-11
Phosphorescence lifetimes, of benzonitrile and phenylisocyanide, deuteration effects on, 465-473
Photodecomposition, of alkylaryldiazosulfides, 399-440
Photodimerization, effect of methyl groups in 6 and 6'-positions in 1,1'-trimethylene-bis-uracils on, 181-201
Photo-Fries rearrangement, substituent effects on photo-Fries rearrangement of aryloxy-s-trizines, 325-342
Photoisomerization
of alkylaryldiazosulfides, 399-440
review of 1974 English literature on, 89-92
Photoluminescence, of bicyclo-[2.2.1]heptan-2-one (norcamphor), 475-497
Photomonomerization, effect of methyl groups in 6 and 6'-positions in 1,1'-trimethylene-bis-uracils on, 181-201
Photoperoxidation, of heterocoerdianthrone in different solvents, 441-464
Photoredox reactions, highlights in the 1973-1975 literature, 273-275
Photosensitization
of alkylaryldiazosulfides, 359-388
competition between energy transfer and electron transfer in, 349-358
Photosubstitution, highlights in the 1973-1975 literature, 264-270
Proteins, fluorescence lifetime of, 309-323
Pyrrole, quenching of excited trifluormethylbenzenes by, 149-169

Q

Quenching
of excited aromatic molecules by paramagnetic species, 13-39

of excited trifluormethyl benzenes by heterocyclic compounds, 149-169
mechanisms, review of 1974 English literature on, 104-106

R

Radiationless process, in aromatic excimers and exciplexes, 41-73
Rearrangements, review of 1974 English literature on, 97-102
Recombination afterglow, in aniline solution, 2-5

S

Simulation studies, photoisomerization of 1,2-diphenylcyclopropane, application of Monte Carlo method to, 131-147
Single photon counting, determination of fluorescence lifetimes by, 79-84
Singlet quenching
by nitric oxide, 33-34
by oxygen, 25-26
Trans-Stilbene/azulene, fluorescence technique for separation of radiative from nonradiative energy transfer, 225-249

T

Thiophene, quenching of excited trifluormethyl benzenes by, 149-169
Transition metal ions, quenching of, 34-37
Trifluormethyl benzenes, quenching of by heterocyclic compounds, 149-169
1,1'-Trimethylene-bis-uracils, methyl group in 6 and 6'-positions in, effect of on photodimerization and photomonomerization reactions, 181-201
Triplet lifetimes, technique for determining, 287-293
Triplet quenching
by nitric oxide, 27-33
by oxygen, 16-25
Tryptophan, fluorescence lifetime of, 309-323

W

Water vapor, mercury-sensitized photodecomposition of, transient species formed in, 295-300